

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Mark M. Leather et al.	Examiner:	Hau H. Nguyen
Serial No.	10/730,965	Art Group:	2628
Filing Date:	December 8, 2003	Docket No.:	00100.66.0024
Conf. No.:	3662		
Title:	UNIFIED SHADER		

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**  
**IN ACCORDANCE WITH 37 CFR §§ 1.97(C) AND 1.98**

Pursuant to 37 CFR §§ 1.97(c) and 1.98, Applicants respectfully submit the following statement consisting of:

1. A list of documents; and
2. General remarks.

A copy of the listed documents is enclosed herewith along with Forms PTO/SB/08A and PTO/SB/08B.

**Documents**

- a. U.S. Patent No. 5,550,962 issued August 27, 1996 to Nakamura et al.;
- b. U.S. Patent No. 5,818,469 issued October 6, 1998 to Lawless et al.;
- c. U.S. Patent No. 6,353,439 B1 issued March 5, 2002 to Lindholm et al.;
- d. U.S. Patent No. 6,384,824 B1 issued May 7, 2002 to Morgan et al.;
- e. U.S. Patent No. 6,417,858 B1 issued July 9, 2002 to Bosch et al.;
- f. U.S. Patent No. 6,650,330 B2 issued November 18, 2003 to Lindholm et al.;
- g. U.S. Patent No. 6,724,394 B1 issued April 20, 2004 to Zatz et al.;
- h. U.S. Patent No. 6,864,893 B2 issued March 8, 2005 to Zatz;

- i. U.S. Patent No. 7,015,913 B1 issued March 21, 2006 to Lindholm et al.;
- j. U.S. Publication No. 2003/0164830 A1 published September 4, 2003 to Kent;
- k. U.S. Publication No. 2004/0041814 A1 published March 4, 2004 to Wyatt et al.;
- l. U.S. Publication No. 2005/0068325 A1 published March 31, 2005 to Lefebvre et al.;
- m. U.S. Publication No. 2005/0200629 A1 published September 15, 2005 to Morein et al.;
- n. BRETERNITZ, JR., MAURICIO et al.; Compilation, Architectural Support, and Evaluation of SIMD Graphics Pipeline Programs on a General-Purpose CPU; IEEE; 2003; pages 1-11; and
- o. International Search Report for PCT Patent Application PCT/IB2004/003821 dated March 22, 2005.

#### **REMARKS**

The submission of the listed documents is not an admission that the information is prior art, analogous or otherwise material. It is respectfully requested that the listed documents be considered and made of record in the present application.

The Patent Office is hereby authorized to charge the fee of \$180.00 set forth in 37 CFR 1.17(p) to Deposit Account No. 50-0441 and is authorized to charge any additional fees required or credit any overpayments to this account.

Date: 3/8/07

Respectfully submitted,

By: Christopher J. Reckamp  
Christopher J. Reckamp  
Registration No. 34,414

Vedder, Price, Kaufman & Kammholz, P.C.  
222 N. LaSalle Street  
Chicago, IL 60601  
(312) 609-7599  
FAX: (312) 609-5005

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

(Use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

Application Number	10/730,965
Filing Date	December 8, 2003
First Named Inventor	Mark M. Leather
Art Unit	2628
Examiner Name	Hau H. Nguyen
Attorney Docket Number	00100.66.0024

[illegible][illegible]

Examiner  
Signature

Data Considered
-----------------

\*EXAMINER. Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indicator of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.57 and 1.96. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is guaranteed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449PTO

## (Use as many sheets as necessary)

**Complete if Known**

<b>Application Number</b>	10/730,965
<b>Filing Date</b>	December 8, 2003
<b>First Named Inventor</b>	Mark M. Leather
<b>Art Unit</b>	2628
<b>Examiner Name</b>	Hau H. Nguyen
<b>Attorney Docket Number</b>	00100.66.0024

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

The information you are requested to provide is being submitted to process a request for a patent. The information is being submitted to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 C.F.R. 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*